

Converting Colors

$Y_{xy}(48.5299, 0.4373, 0.3916)$

Have a look what the booklet for
Yxy(48.5299, 0.4373, 0.3916)
contains.

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Color

Yxy(48.3641, 0.4375, 0.3909)

Conversions

Conversions Part 1

Format	Color
Hex	F4A86E
RGB	244, 168, 110
RGB Percent	96%, 66%, 43%
CMY	0.0431, 0.3412, 0.5687
CMYK	0.00, 0.31, 0.55, 0.04
HSL	26°, 86%, 69%
HSV	26°, 55%, 96%
XYZ	54.1297, 48.3641, 21.2312
YIQ	184.1120, 63.9140, -1.9260

Conversions

Conversions Part 2

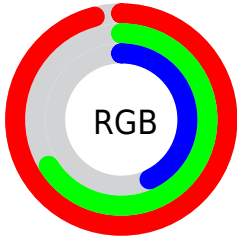
Format	Color
RYB	244, 212, 110
Decimal	16033902
CIELab	75.05, 21.97, 41.01
CIElCh	75, 46.529, 61.820
Yxy	48.3641, 0.4375, 0.3909
Android (android.graphics.Color)	4294223982 (0xFFFF4A86E)
YUV	184.1120, -36.5372, 52.5218
Hunter-Lab	69.5443, 17.2326, 30.5803

Details

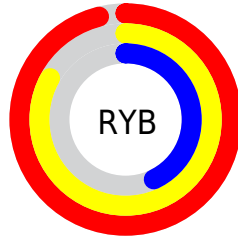
The Yxy color **48.3641, 0.4375, 0.3909** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.9701, 0.2272, 0.2534**, and the grayscale version is **48.1783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6797, 0.3779, 0.3903**, and **23.0181, 0.4685, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **43.0648, 0.4682, 0.3988**, and if you desaturate by 10%, it is **54.3585, 0.4085, 0.3806**.

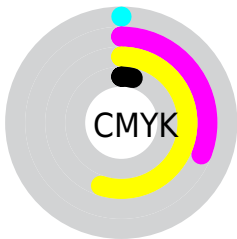
Distribution



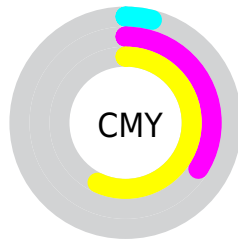
- Red (96%)
- Green (66%)
- Blue (43%)



- Red (96%)
- Yellow (83%)
- Blue (43%)



- Cyan (0%)
- Magenta (31%)
- Yellow (55%)
- Black (4%)





- Cyan (4%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3641, 0.4375, 0.3909 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.3641, 0.4375, 0.3909 by changing the saturation by 10% instead.


 48.3641, 0.4375,
0.3909


 48.3641, 0.4375,
0.3909


380.2335, 0.3761,
0.3641


 34.1153, 0.4520,
0.3960


 87.7463, 0.4157,
0.3823


 22.9822, 0.4698,
0.4015


 113.6484, 0.4074,
0.3787

 14.5804, 0.4921,
0.4071


 144.2039, 0.4002,
0.3755

 8.5254, 0.5203,
0.4115

 179.7969, 0.3941,
0.3727

 4.4329, 0.5662,
0.4193

220.8120, 0.3887,
0.3702

 1.9186, 0.5999,
0.4001

267.6336, 0.3840,

 0.5595, 0.6606,

0.3680

0.3394

320.6459, 0.3798,
0.3659

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.3641, 0.4375,
0.3909

48.3641, 0.4375,
0.3909

43.0648, 0.4682,
0.3988

54.3585, 0.4085,
0.3806

38.4241, 0.4990,
0.4029


61.0679, 0.3821,
0.3691


34.4122, 0.5278,
0.4021

68.5202, 0.3587,
0.3572

30.9928, 0.5523,
0.3958

76.7393, 0.3382,
0.3455

 29.4643, 0.5631,
0.3911

 85.7480, 0.3205,
0.3343

 95.4774, 0.3061,
0.3251

 97.9764, 0.3060,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.3641, 0.4339, 0.3423



48.3641, 0.4375, 0.3909



48.3641, 0.4052, 0.4312

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.3641, 0.4375, 0.3909



48.3641, 0.2350, 0.3609



48.3641, 0.2666, 0.2339

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.3641, 0.4375, 0.3909



44.9701, 0.2272, 0.2534

Split Complementary

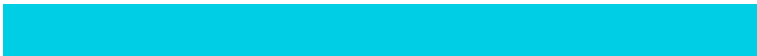
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.3641, 0.2219, 0.2308



48.3641, 0.4375, 0.3909



48.3641, 0.2048, 0.2963

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.3641, 0.4375, 0.3909



48.3641, 0.2874, 0.4210



48.3641, 0.2007, 0.2510



48.3641, 0.3289, 0.2568

Rectangle

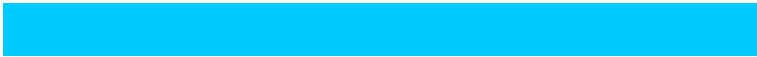
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.3641, 0.4375, 0.3909



48.3641, 0.3698, 0.4454



48.3641, 0.2007, 0.2510



48.3641, 0.2493, 0.2305

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.3665, 0.4375, 0.3909



83.7587, 0.3404, 0.3467



34.0248, 0.3780, 0.2474



17.5158, 0.3444, 0.3491



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.3665, 0.4375, 0.3909



46.9256, 0.4720, 0.3995



78.5545, 0.3977, 0.4514



17.6622, 0.3283, 0.3393



16.2783, 0.5604, 0.3933



1.6309, 0.5385, 0.4106

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.9701, 0.2272, 0.2534



42.7534, 0.2124, 0.2345



23.5610, 0.2089, 0.1662



17.4868, 0.2980, 0.3185



13.7742, 0.1835, 0.1807



1.4147, 0.1892, 0.2010

Previews

White Background



This preview shows how the Yxy color 48.3641, 0.4375, 0.3909 looks on a white background.

Color Contrast Check

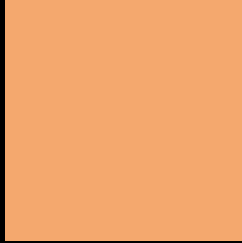
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 48.3641, 0.4375, 0.3909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

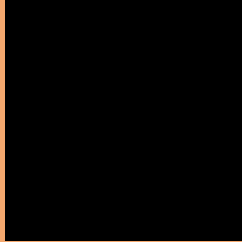
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3641, 0.4375, 0.3909

Background



This preview shows how black text looks on a background with the Yxy color 48.3641, 0.4375, 0.3909.



This preview shows how white text looks on a background with the Yxy color 48.3641, 0.4375, 0.3909.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.3641, 0.4375, 0.3909

Protanopia

48.5154, 0.3837, 0.4150

Deuteranopia

48.5345, 0.4159, 0.4080



Tritanopia

48.2599, 0.3872, 0.3163

Trichromacy



Original Color

48.3641, 0.4375, 0.3909

Protanomaly

48.2068, 0.4025, 0.4062

Deuteranomaly

48.5320, 0.4235, 0.4016

Tritanomaly

48.1385, 0.4070, 0.3445

Monochromacy



Original Color

48.3641, 0.4375, 0.3909

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.3969, 0.3558, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3641, 0.4375, 0.3909 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(244, 168, 110)` looks like.

```
.text, #text, p{  
    color:rgb(244, 168, 110)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(244, 168, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 168, 110) }
```

Border

The CSS property to change the border of an element to Yxy 48.3641, 0.4375, 0.3909 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(244, 168, 110) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(244, 168, 110) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(244, 168, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 168, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 168, 110);  
box-shadow:4px 4px 4px 4px rgb(244, 168,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3641, 0.4375, 0.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 168, 110) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(244,  
168, 110) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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